

DEPARTMENT OF WATER RESOURCES EXAMINATION ANNOUNCEMENT



The Department of Water Resources offers Equal Opportunity for all regardless of race, color, creed, national origin, ancestry, sex, marital status, disability, religious or political affiliation, age, or sexual orientation.

It is an objective of the State of California to achieve a drug-free State workplace. Any applicant for State employment will be expected to behave in accordance with this objective because the use of illegal drugs is inconsistent with the law of the State, the rules governing civil service and the special trust placed in public servants.

ASSOCIATE CONTROL ENGINEER OPEN STATEWIDE

FINAL FILING DATE

March 12, 2013

Revised applications (Form STD 678 REV.06/2010) must be postmarked or submitted in person no later than the final filing date. Applications postmarked or personally delivered after the final filing date will not be accepted for any reason. FAXED OR E-MAILED APPLICATIONS WILL NOT BE ACCEPTED.

WHO SHOULD APPLY

This is an Open Examination. Candidates who meet the minimum qualifications as stated below may apply for this examination.

HOW TO APPLY

You must submit your **Examination Application Form** (Form STD 678 REV.06/2010) by the final filing date, **March 12. 2013.**

Submit the completed Examination Application Form by mail or in person.

MAILING ADDRESS:

OR

SUBMIT IN PERSON:

Department of Water Resources P.O. Box 942836 Sacramento, CA 94236-0001 Department of Water Resources 1416 9th Street, Room 320 Sacramento, CA 95814

DO NOT SEND APPLICATIONS TO CALIFORNIA HUMAN RESOURCES (CaIHR) OR THE DEPARTMENT OF WATER RESOURCES' FIELD OFFICES. Applications are available at Department of Water Resources' (DWR) offices, the DWR website: www.water.ca.gov/jobs/currentexams.cfm, local office of the Employment Development Department, and CalHR at www.jobs.ca.gov and click "My Profile".

IDENTIFICATION REQUIRED

Accepted applicants are required to bring either a photo identification card or two forms of signed identification to each phase of the examination.

SPECIAL TESTING ARRANGEMENTS

If you have a disability and need special testing arrangements, mark the appropriate box in Question 2 of the "Application for Examination". You will be contacted to make specific arrangements.

ARRANGEMENTS

\$7496 - \$9103

ELIGIBLE LIST INFORMATION

SALARY RANGE

An open eligible list will be established for the Department of Water Resources. The list will be abolished 12 months after it is established unless the needs of the service and conditions of the list warrant a change in this period.

EXAMINATION DATES

The entire examination will consist of a Qualifications Appraisal Interview Weighted 100%. It is anticipated interviews will be held during April/May 2013.

REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION NOTE: All applicants must meet the minimum qualifications for this examination by the final filing date,

March 12, 2013.

Qualifying experience may be combined on a proportionate basis if the requirements stated below include more than one pattern and are distinguished as "Either" I, "or" II, "or" III, etc. For example, candidates possessing qualifying experience amounting to 50% of the required time of Pattern I, and additional experience amounting to 50% of the required time of Pattern II, may be admitted to an examination as meeting 100% of the overall experience requirement.

Education: Graduation from a four-year college curriculum with major work in electrical, electronic or computer engineering. Progressively responsible engineering experience on control system equipment, comparable to that of the statewide water facilities, may be substituted for a college education on a year-for-year basis. **And**

Either I

Two years of experience in the California state service performing the duties of a Control Engineer, Range B.

Or II

Three years of professional control system, electronic or computer engineering experience in the field of control or process systems, including at least two years in the design, development and application of control systems utilizing complex electronic circuitry, combinations of electronic, electro-mechanical and hydraulic equipment, digital logic techniques, data transmission and interface equipment, at a level of responsibility comparable to that of a Control Engineer, Range B.

POSITION DESCRIPTION

This is the full journey level. Under direction, incumbents conduct technical engineering studies related to the development of an automatic, computerized control system; assist in the design and preparation of plans and technical specifications of complex features of control systems; perform difficult engineering analysis of equipment for conformance with operational standards, design plans and specifications; conduct process computer evaluation and software modifications; assist in the design of operational logic; prepare testing, operation and maintenance procedures, manuals and training programs; direct simulated operational malfunctions and prepare preliminary design and program modifications; advise, assist and instruct operating and maintenance personnel in matters pertaining to automatic control systems; direct and assist technical personnel in performance of assigned tasks and prepare reports on projects.

Positions exist statewide with the Department of Water Resources.

SEE REVERSE SIDE FOR ADDITIONAL INFORMATION

EXAMINATION INFORMATION

This examination will consist of a **Qualifications Appraisal Interview – Weighted 100.00%.** In order to obtain a position on the eligible list, a minimum rating of 70.00% must be attained in the interview. COMPETITORS WHO DO NOT APPEAR FOR THE INTERVIEW WILL BE DISQUALIFIED.

BULLETIN RELEASE DATE: February 25, 2013

FINAL FILING DATE: March 12, 2013

SCOPE OF EXAMINATION

Qualifications Appraisal Interview - Weighted 100.00%

In addition to evaluating the competitors' relative abilities as demonstrated by quality and breadth of experience, emphasis in the examining interview will be on measuring competitively, relative to job demands, each competitor's:

A. Knowledge of:

Engineering theory and practices, terminology and trends in control systems engineering, supervisory
control and data acquisition of dynamic systems for industrial processes including: dynamic stability,
feedback loops, economic and failure analyses, data handling, interfacing, digital logic, computer use and
programming, designing, developing, testing, optimizing, maintenance, and modification of control
systems similar to those used on the statewide water facilities.

B. Ability to:

- 1. Analyze control requirements for flow processes.
- 2. Design and develop control systems, determine operation criteria and select equipment. Read and work from plans, drawings, and specifications.
- 3. Integrate control systems with communication systems, develop and maintain software, develop test and maintenance procedures and interpret plans and specifications.
- 4. Maintain cooperative relations with those contacted in the course of work.
- 5. Prepare clear and concise reports.

ADDITIONAL DESIRABLE QUALIFICATIONS

Possession of a certificate of registration as an Electrical or Control System Engineer issued by the California State Board of Registration for Professional Engineers.

CAREER CREDITS

Career credits will not be granted in this examination.

VETERANS PREFERENCE Veterans Preference Credit will not be granted, as this does not qualify as an entrance examination under the law.

GENERAL INFORMATION

The Department of Water Resources reserves the right to revise the examination plan to better meet the needs of the service if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service laws and rules and all competitors will be notified.

For any examination without a written feature it is the candidate's responsibility to contact the Selection Services Section of the Department of Water Resources, (916) 653-4838 three weeks after the final filing date if he/she has not received a progress notice.

Applications are available at Department of Water Resources' (DWR) Offices, the DWR website: www.water.ca.gov/jobs/currentexams.cfm, local office of the Employment Development Department, California Human Resources (CalHR) Office, and the CalHR website at www.jobs.ca.gov and click "My Profile".

If you meet the requirements stated on the reverse, you may take this examination, which is competitive. Possession of the entrance requirement does not assure a place on the eligible list. All candidates who pass will be ranked according to their scores.

General Qualifications: Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, and ability to work cooperatively with others; and a state of health consistent with the ability to perform the assigned duties of the classification.

Examination Locations: When a written test is part of the examination, it will be given in such places in California as the number of candidates and conditions warrant. Ordinarily, qualifications appraisal interviews are scheduled in Sacramento and Los Angeles. However, locations of interviews may be limited or extended as conditions warrant.

If a candidate's notice of oral interview fails to reach him/her prior to the day of the interview due to a verified postal error, he/she will be rescheduled upon written request.

Eligible Lists: Eligible lists established by competitive examination, regardless of date, must be used in the following order:

1) subdivisional promotional, 2) departmental promotional, 3) multidepartmental promotional, 4) servicewide promotional, 5) departmental open, 6) open eligible list. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on this bulletin. In the case of continuous testing examinations, names are merged into the appropriate lists in order of final test scores (except as modified by veterans preference credits) regardless of the date of the test, and the resulting eligible lists will be used only to fill vacancies in the area shown on the bulletin.

Promotional Examinations Only: Competition is limited to employees who have a permanent civil service appointment. Under certain circumstances other employees may be allowed to compete under provisions of Rules 234, 235, 235.2. State Personnel Board Rules 233, 234, 235, 235.2 and 237 contain provisions regarding civil service status and eligibility for promotional examinations. These rules may be reviewed at departmental personnel offices or at the Information Counter of State Personnel Board offices.

TDD is Telecommunications Device for the Deaf and is reachable only from phones equipped with a TDD Device. **California Relay Telephone Service** for the Deaf or hearing impaired: From **TDD phones: 1-800-735-2929**; From **Voice phones: 1-800-735-2922**.

For information regarding this examination, please contact Irma Peralez at (916) 653-3910.

D/O (Rev 2/13)) (IP)